

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: Allen Tucholski <allent@en.com>
Subject: 6U8A Vs 6EA8
Message-ID: <1.5.4.16.19961013005211.3fe75a3a@en.com>

I have a qusetion,

My Gonset G-50 uses a 6U8A in the receiver mixer stage I believe.
Can a substitution of a 6EA8A offer lower noise and higher gain than the 6U8A.

Allen

NASA Lewis Reasearch Center
Cleveland, Ohio

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: 75A-4 Question
Message-ID: <v03007800ae86aa193ae6@[134.53.65.12]>

Hi Gang,

I'm the owner of a "new" KWS-1/75A4 combo, that I got from my friend, Jack, WB8BFS. A question came up about 75A4 serial numbers. Mine is 5609, which I believe to be quite late in production. Anybody know how high production actually went on the 75A4?

Also, I'd be interested in trading a 1.5KHz mechanical filter for either an 800Hz or 500Hz filter. The 1.5KHz makes a good (narrow) filter for ssb under high QRM conditions, but I'm mostly a cw op.

Tnx and 73,

Jim W8ZR

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: rhs@pacbell.net
Subject: 8556 tube help
Message-ID: <32608FDC.67FD@pacbell.net>

These little projects, once started, just grow and grow.....

This one started with wanting to get sensitivity measurements on my R-390A/URR. (depot manual says use 608D past 10mc)

Bought an HP608E signal generator at the last TRW swapmeet in Redondo Beach. \$25.00, I dragged (with my sons help, HEAVY!) it away before the guy changed his mind. It looked mint. Ex GI. Got it home, missing DC fuse (Red flag you say? nawwww probably just fell out during handling)and line cord, no biggie. Had a line cord and went to Radio Shack for fuse.

Held my breath, flipped on the power switch, no smoke!! The output meter slowly swung up and stabelized. Scope it, tried modulation, up and down, all looked good. But wait folks, not quite that lucky, no output on the highest band. Thats OK, dont need it for the 390A anyhow. But seems a shame not to fix it, besides its go to be just the band switch, right?

Opned er up, band switch checks OK. Checked the 608D manual, shows the osc, buffer and power output tube in a nice little cast alluminum cavity at the top. Opened it up, never saw tubes like that before. The buffer seemed a normal 9 pin miniature though, pulled it, the number not same as in 608D, probably part of what makes it 608E. Tube checker doesn't cover it. Plugged it back in. Left it open, turned it on, wow!!! neat colors in that tube, first blue and then red. Checked it with the scope. No B+, and now, no output on any band. DC fuse on front pannel blown. Hmmm, guess thats the \$25.00 price tag.

That brings me back to the original reason for this post. Does anyone have the tube pin-out for a 8556, from a tube manual or a 608E service manual????

Rudy Salomon KD6NRQ

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: rem@us.edu (R.E.Morgan)
Subject: Books and Misc. for sale
Message-ID: <1.5.4.32.19961013182119.006775ec@us.edu>

Books, printed matter, misc., For Sale

List 8, October 13,1996

All items may be returned if not acceptable for any reason. All I ask is that the buyer pay for return shipping. I try to describe significant defects and features, but I'd be happy to answer questions. However, I think the "first offer gets it" policy is the fairest. PRICES INCLUDE SHIPPING VIA UPS OR USPS (first, third, or fourth class, depending on weight). Please, no phone calls.

Bob Morgan, K8RBV

Items from previous lists which went unsold. Drastically reduced in price

1. Elementary Lessons in Electricity and Magnetism, Syvanus Thompson, 1889, front cover is nearly detached, spine is worn, and book is ex-library, but tight and no yellowing, \$15.00
2. Radio for Everybody, Austin C. Lescarbours, 1922, slight soiling on the cover, some slight yellowing but a tight copy. \$12.00
3. Modern Radio Servicing, Alfred Ghirardi, 1935, first ed., second impression, an ex library copy, slightly soiled and worn library rebound cover, otherwise good. \$15.00
4. Radio Physics Course, Alfred Ghirardi, 1933, second edition, fifth impression, spine worn at bottom, slight wear on covers, \$15.00
7. Radio Physics Course, Alfred Ghirardi, 1937, second edition, eighth impression, good cond., \$15.00
8. Radio Physics Course, Alfred Ghirardi, 1942, second edition, tenth impression (enlarged), excellent condition with dust jacket. Dust jacket torn and ripped (fair only jacket), \$15.00
9. Radio Physics Course, Alfred Ghirardi, 1942, second edition, tenth impression (enlarged), no jacket, cover and edges worn. \$12.00
10. Wireless Telegraphy and Telephony, A.P. Morgan, 1922, very slight soiling on cover and spine. \$20.00
11. R/9 Magazine, Feb., 1935, holes punched for small notebook, \$5.00
12. ARRL Handbook, 1967, \$7.00
13. ARRL Handbook, 1968, \$7.00
14. ARRL Handbook, 1971, \$7.00
15. ARRL Handbook, 1972, \$7.00
16. ARRL Handbook, 1976, \$7.00
17. The Electrical Experimenter Magazine, Dec., 1915 (!), no front cover, back cover loose, \$8.00
18. The Electrical Experimenter Magazine, May, 1917 (!), covers detached and soiled, \$8.00
19. The Electrical Experimenter Magazine, August, 1916 (!), good condition, \$10.00
20. Sony Trinitron 20th anniversary 1968-1988, oversized book in English and Japanese. Very rare, many great pix. \$15.00
21. A Century of Light, James A.Cox, 1979. Light bulb to transistor, \$10.00
22. The Telephone Book, H.M. Boettinger, 1977. Dust jacket, great pix! \$15.00
23. Radios-The Golden Age, Philip Collins, 1987, picture book of antique radio, paperback, \$8.00

Callbooks

- 25. Spring 1941, some wear and writing on cover. \$10.00
- 26. Fall, 1947, some wear, \$8.00
- 27. Summer, 1948, some wear, \$8.00
- 28. Fall, 1953, some wear, \$7.00
- 29. Fall, 1959, some wear, \$7.00
- 30. Summer, 1967, \$7.00
- 31. Winter, 1971-72, \$7.00
- 32. 1988, good shape, 7.00

QST mags

- 35. January, 1926, spine taped, \$8.00
- 36. January, 1926, good, \$8.00
- 37. February, 1926, spine wear, \$8.00
- 38. March, 1926, good but missing corner of cover, \$8.00
- 39. April, 1926, good, \$8.00
- 40. May, 1926, good, \$8.00
- 41. June, 1926, good, \$8.00
- 42. August, 1926, good, \$8.00
- 43. September, 1926, good, \$8.00
- 44. October, 1926, covers loose, \$7.00
- 45. December, 1926, good, \$8.00

- 46. The Motor Boat Club and the Wireless, H. Irving Hancock, 1909, spine a little loose, but excellent for its age, \$15.00
- 47. Janet Hardy in Radio City, Ruthe S. Wheeler, 1935, about broadcasting more than amateur wireless, front cover loose, \$6.00
- 48. Set of Ameco code records (45 RPM) in original shipping box with manual, est. 1959, \$12.00
- 49. Dustin's Radio Log and Call Book, small pamphlet, cover off, 1923, with handwritten entries and a list of stations, \$5.00
- 50. David Sarnoff, Eugene Lyons, 1966, jacket, \$7.00
- 51. VHF/UHF Fire, Police, Ham Scanners ñ Schematic/Serviceing Manual, Norman, 1976, paper, ex library, \$5.00

Unusual items ñ newly listed

- 52. Group of 20 ARRL license manuals, 60ís and 70ís. All for \$15.00
- 53. Electronics Illustrated Magazine, May, 1960, great BA pix, \$5.00
- 54. Electronics Illustrated Magazine, June, 1960, great BA pix, \$5.00
- 55. Homebrew CW keyer device with rotating tin can, knife switches, motors. Homebrew device to send cw calls automatically. Circa 1930 - 1940 ??? Add to your cw collection for \$20.00
- 56. Schematic diagram in blueprint form of a "Marconi Ω K.W-120 Cycle Transmitter" Dated 3-2-1920. Your chance to own an original document from the history of radio. Handwritten notes on the back. \$25.00 (single, long,

folded page)

57. Pages cut from the Congressional Record regarding "Electro-Magnetic Telegraphs", dated December 30, 1842. Speculates on the viability of the telegraph and its use in the country. These are original pages. 8 page document is yellowing slightly and is just beginning to be frail. \$35.00

Remember, prices include postage.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: n5off@w5ddl.aara.org
Subject: Callbook Spoken For, Thks
Message-ID: <485462@w5ddl.aara.org>

The free callbook is gone, thanks.
tom

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Chuck Rippel" <crippel@exis.net>
Subject: Collins Reflector Info
Message-ID: <199610130403.AAA13492@marlin.exis.net>

I have been asked by several of you about the Collins Reflector so I will attempt to answer all those questions here rather than individually. (although I DO enjoy getting your mail and appreciate the time set aside for you to do so!)

The Collins Reflector is administrated by me as the Secretary of the CCA. It was designed to benefit members of the Collins Collectors Association. Maybe that should change and to that end, I have no problem adding anyone who owns or has a legitimate interest in Collins Radio Products but out of respect and courtesy, I will have to ask our president, Bill Wheeler, K0DEW if he minds. I don't think it will be a problem.

The reflector is nothing more than a multiple mailing list as supported by my E-Mail program, Pegasus Mail. When I get a message for the Reflector, or receive information which might benefit or be of interest to those on the list, I simply forward the message or material to it. This redistribution is not automatic as Boatanchors is, rather it must be done manually which is no problem for me.

We have quite a number of people on the list right now. In fact, it may soon outstrip the capabilities of my mail program.

We may install an automated listserver as part of our WWW site.

The CCA is in the process of working with Rockwell/Collins and a local university on setting up an extensive WWW site dedicated to Collins Radio products. The CCA Board believes that a seat of learning is the proper place for the Collins material. This material it should be achived, protected and made available while being treated as the part of history it truly is.

It is our philosophy that material and information on keeping Collins radios alive and on the air should be made as widely available as possible to anyone who desires it at NO CHARGE. Right now, that is not possible due to the high cost of printed media but, a WWW site would go far to eliminate cost as an issue. A few of the things we want to archive are:

- Complete discriptions/pictures of all Collins Amateur Radio Products
- Reproductions of the complete operation manuals/schematics for the Amateur Radio Products
- Reproductions of the complete library of service bulletins of the Amateur Radio Products
- Reproductions of as much Collins Amateur Product sales literature as we can obtain

There are several folks who repair Collins products, myself being one of them, who have expressed an initial interest in seeing their service, tips and modification information preserved and distributed freely in this manner.

Once again, I make it a habit to post relevent information to the Boatanchors list and the Collins Reflector at the same time. I don't hold with the philosophy of "I have some interesting information and you can see it if you pay and subscribe to a publication."

End of soap box on that issue.

To sum up, let me speak with Bill, K0DEW about signing up more folks to the Reflector. I he has no problem with that, I'll post a note here and let everyone know.

In the mean time, the Boatanchors list will continue to get the same "hard news" & information posted to it the same time the Collins Reflector does. There is simply no reason not to, we are all in the same "boat" so to speak. (pun intended :))

If anyone would like to help with the CCA WWW site, let me know.

Reflector for the Collins Collectors Association
Direct Feedback to: Chuck Rippel, WA4HHG
E-Mail: crippel@exis.net

++++
Chuck Rippel Real Radios Were Made in
crippel@exis.net Cedar Rapids, Iowa
Collins Collectors Association
++++

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Colin Schmutter" <csc@smartt.com>
Subject: Drake crystals for sale
Message-ID: <199610130412.VAA18157@k1k1.SMARTT.COM>

For Sale

Drake R-4A, R-4B and R-4C receiver crystals.

Band	Xtal Freq
2.5 to 3.0 Mhz	13.6 Mhz
9.0 to 9.5 Mhz	20.1 Mhz
9.5 to 10.0 Mhz	20.6 Mhz
20.5 to 21.0 Mhz	31.6 Mhz
29.5 to 30.0 Mhz	40.6 Mhz

For sale as a lot only

\$40 including postage to North America

Please reply to csc@smartt.com if interested

Colin

VE7CQH

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: FS Drake TR-6
Message-ID: <199610131721.MAA21215@mail1.i1.net>

Greetings All,

I am posting this for friend Bob KA2DRH. He has no Inet access at this time so if you are interested call him at 205-729-1429. Bob is located in Northern Alabama. He has a clean TR-6 with noise blanker, AC-4 supply, DC supply and original manual for 450.00. The rig has

not been in use for several years but was fully operational when put up.
I can tell you nothing further as this was relayed to me by Bob over
the phone.

73, Mike

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: FS: Tempo I Station
Message-ID: <199610130015.TAA06263@legend.txdirect.net>

Black face Tempo I transceiver, remote VFO, power supply/speaker, mike, and manuals (except for remote VFO). Panel and knobs are a 9.8, cabinets are a 7-8 with some scratches. Radio works but needs attention. Sell for \$125 plus shipping or will consider reasonable trade offers. Please e-mail me directly if you have questions or offers.

Thanks in advance,
gary

[illegible]

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Bob Rolfness <rsrolfne@atnet.net>
Subject: FS: 2AP!s CRT
Message-ID: <32613701.5918@atnet.net>

Greetings All -

Just found 5 2AP1 CRT tubes. Can't say for sure they are unused, but look so as they are very clean with no indication of use or burn marks on the screen face. They are RCAs, military, from the late 50s and 60s.

For Sale \$6 each, or \$25 for the 5, plus UPS.

73 's Bob W7VZX

Bob Roliness
2327 Malaga Road NE
Moses Lake, WA 98837
(509) 765-4721 Voice
(509) 766-7277 Fax/Data

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
Subject: FS: Ham Equipment and Radio's

Cleaning out a few items. I have listed them below.

Swan 350 in very good condition with opposite side band and 25khz
marker oscillator installed. Includes speaker power supply 117-XC,
mic and manuals and all cables. All for \$200.

Swan 117-X power supply with all cables and manual. for \$75.

Swan 350C with 6LQ6 finals. Receives ok but only transmits on only 40
meters. Includes manuals. This unit can be fixed or used for parts.
For \$75

MFJ-784B Tunable DSP filter. Works great, very little use, comes with
manuals and original box. For \$180.

All items listed include shipping to the lower 48 States. Please
email me at kj7nc@juno.com I check the newsgroups very little.

Thanks,
Eric KJ7NC

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the
newsgroup rec.radio.swap. All inquiries must go to the person making the
post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996

From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: Re: FS: National Spkr
Message-ID: <199610131622.JAA01053@dfw-ix11.ix.netcom.com>

At 07:27 PM 10/11/96 -0500, Gary Youney wrote:
Hi Gary -

Hey, sounds like the perfect companion to my NC300. I am interested, but am not sure of the value, so I'll toss in a guess. Lemme know if I'm in the ballpark of what you're looking to get. How does \$40 plus shipping sound?

73,

John
N0GII

>I have a National speaker that's been gathering dust on my shelf for a while:
>
>It's the match for the NC-300, and has both the 2 and 6 meter converters.
>
>It looks good, and has one 3/8" hole on the front (easily plugged). It has the
>original gray National switching knob, also.
>
>The converters look dusty but fine. I have the schematics for them, also. The
>rear of the bandswitch has had its wires unsoldered and removed (why?). It
>certainly looks "wireable" to me, if someone's so inclined.
>
>I'll take the best offer in the next several days!
>
>73, Gary AA5QT
>
>
>
jschwart@ix.netcom.com

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: paul Veltman <veltman@netcom.com>
Subject: Re: Fwd: COLLINS 651S1
Message-ID: <Pine.3.89.9610121500.A18090-01000000@netcom16>

On Sat, 12 Oct 1996, Dick Dillman wrote:

> about. I stopped by after visiting KPH where the guys were still
> using 51J-4s. The kid at NMC proudly showed off his Collins receivers

> but when I told him I had just been at KPH he said, "You know, they
> work stuff we can't even hear." I thought to myself, "Kid, that's
> what comes of wearing the cans for 40 years!"
>

And it's all ears and experience. I was taking my daughter up to Oregon
a few weeks ago and running some counties along I-5. After one session,
she asked me if I actually heard those stations. I told her "of course I
did", and she seemed amazed. All she heard was static, and I was picking
stations out of the pileup like crazy. :-)

Required BA content: I still prefer the S-line and A-line to more modern
receivers because when there is a problem, I can pull them out of the
case and fix them and ACUTALLY SEE THE PARTS. And you will never
convince me that the old rigs will not perform as well as the new rice boxes.

73

Paul WA6OKQ

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: Re: Fwd: COLLINS 651S1
Message-ID: <19961012235823.AAB10448@LOCALNAME>

At 10:46 PM 10/12/96 +0000, you wrote:

>And it's all ears and experience. I was taking my daughter up to Oregon
>a few weeks ago and running some counties along I-5. After one session,
>she asked me if I actually heard those stations. I told her "of course I
>did", and she seemed amazed. All she heard was static, and I was picking
>stations out of the pileup like crazy. :-)

This is VERY true! I remember working guys mobile and the XYL was
very irritated: "Why do you listen to all that noise?" she asks! You mean
you don't hear those guys I'm talking to? "NO!" she says, "Just the noise!"
>

>Required BA content: I still prefer the S-line and A-line to more modern
>receivers because when there is a problem, I can pull them out of the
>case and fix them and ACUTALLY SEE THE PARTS. And you will never
>convince me that the old rigs will not perform as well as the new rice boxes.
>

> My argument EXACTLY! You can see the damned parts! Change them,
repair them, etc. You don't have some monolithic block (PC 'roach') with a
mysterious 'house number' stamped on it. Tube circuitry is much more forgiving
as well. Solid state stuff is primed and waiting to blow at the slightest
provocation or wrong move or surge in voltage! I've always said "Sand-state
stuff is spring-loaded

in the 'pissed-off' position"!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, modified, traded & used!"

ebjr@worldnet.att.net

417 Ridgewood Drive

Metairie, LA., 70001

{Still looking for: Hallicrafters SR-75, and 860 tubes!}

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: wb6zwc@ns.net

Subject: Re: Fwd: COLLINS 651S1

Message-ID: <199610130057.RAA26235@tomcat.ns.net>

Well< i seem to be the sucker that is interested. I don't even know what it looks like. Anybody know the specks, color, design and general appeal of the unit?

>Anyway, the 651S1 may have been a bit too modern for the list but I
>figured there was still a sporting chance that a list member might be
>interested.

>

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996

From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: Fwd: FS: Ham Equipment and Radio's

Message-ID: <57656.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Eric Davies <eadavies@wow.com >

Newsgroups: usenet.rec.radio.swap

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: Fwd: Hammarlund HQ-140-X

Message-ID: <76258.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Richard Nacamuli <headwave@access.digex.net>
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Military stuff for sale
Message-ID: <57661.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Loek d'Hont <ldhont@ti.com>
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: National NC-46
Message-ID: <76254.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Richard Nacamuli <headwave@access.digex.net>
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Great way to end the week!
Message-ID: <Pine.ULT.3.95.961012222606.13699G-100000@admin.aurora.edu>

Well, first of all, thanks to all those that responded with help on ID'ing the unit. It is a tombstone style receiver, made in 1935, model 5513. When I removed the chassis, underneath was the owner's manual, which did have the model number, tube layout, another shortwave station list, and brief instructions on how to tune in shortwave!

I spent the day reworking this thing and it plays pretty well for a set with no RF stage. Audio is quite good. It is a pretty basic 5-tube circuit (transformer powered) with a few oddities: The speaker field is in the negative (center tap) side of things, and along with a series resistor, delivers grid bias for the 6F6 output stage. This had one of those 6 inch long metal wirewound resistors riveted to the rear of the chassis with several taps on it. All but one section was open and someone had hung some 10 watt replacement jobs in there, covering the connections with good old friction tape!!! They also substituted a 6Y6 for the 6F6, which is not a good choice, especially because of the plate impedance difference. The better sub is a 6K6, which is what I ended up with. I had 2 6F6's left in the garage and turns out both were gassy.

The det/1st audio is a typical triode/dual diode tube (6B6) and what I can't figure out is why they have the triode cathode positively biased at 2 volts. Sure, this biases the triode, but it also reverse biases the detector. Removing this bias got rid of distortion on weaker sigs.

Of course both the 8uf filter caps were shot so I replaced them and some of the paper jobs. The cabinet is probably a 7. I love the clock-type dial (RCA also used similar) with the "second hand" logging scale.

What are recommendations for refinishing a wood cabinet like these? It doesn't look real bad, but scuffed in spots. Has anyone taken a radio cabinet to one of these strip joints?

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Michael Sullivan <michaels@kc2kj.k2nesoft.com>
Subject: Re: Great way to end the week!
Message-ID: <3260F9FD.D0D9BE9@kc2kj.k2nesoft.com>

Bob Roehrig wrote:

>.....

> What are recommendations for refinishing a wood cabinet like these? It
> doesn't look real bad, but scuffed in spots. Has anyone taken a radio
> cabinet to one of these strip joints?

>

>

Be carefull about those "strip joints" If the cabinet has veneer (a good bet) that may come off right away. Denatured alcohol is often a good first step. I don't have any of my finishing books handy (they're in the garage...) but start with very simple approaches first before you think of the big guns. The strip shops remove everything depending upon what very strong caustic solutions they use.

--

Michael E. Sullivan
<http://kc2kj.k2nesoft.com:8080/Merchantville>
Merchantville, NJ - 5 miles from Philadelphia, Pa!

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: Re: Great way to end the week!

Message-ID: <Pine.OSF.3.91.961013092248.11419C-100000@Joyce-Perkins.tenet.edu>

Bob (et al):

I'll resist <mightily> to chance to make a comment about taking radios to strip joints ;-) and add the following:

I've had good luck with Murphy's Oil Soap for general cleaning, followed by an application of tung oil. If the finish is <really> rough, some wet-sanding with #600 grit (or finer, depending on your preference and/or degree of roughness) while the finish is still wet with the Oil Soap (after an initial cleaning to remove the surface grunge and followed by a subsequent cleaning to remove any sanding debris) might be in order.

I've used this to good results with a TV-11 tester that had a fundamentally good finish to it, but just needed some "help". YMMV.

73, Gerald D'Entremont WA5TVM
cdent@tenet.edu

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996

From: vancleef@netcom.com (Henry van Cleef)

Subject: Re: Great way to end the week!

Message-ID: <199610131738.LAA08899@netcom14.netcom.com>

As Bob Roehrig discourses

>

>

> I spent the day reworking this thing and it plays pretty well for a set
> with no RF stage. Audio is quite good. It is a pretty basic 5-tube circuit
> (transformer powered) with a few oddities: The speaker field is in the
> negative (center tap) side of things, and along with a series resistor,
> delivers grid bias for the 6F6 output stage.

This is a fairly standard configuration, known as a "back bias" circuit. It is similar to cathode bias for the output tube, except that the whole radio's current return is through the impedance, not just the output tube's.

This had one of those 6 inch

> long metal wirewound resistors riveted to the rear of the chassis with
> several taps on it. All but one section was open and someone had hung
> some 10 watt replacement jobs in there, covering the connections with
> good old friction tape!!!

If you've got a radio with an open speaker field and/or a ladder resistance setup in the power supply, and need to replace sections of this, and don't have the original values, some quick slipstick (slide rule for those born after 1950) engineering with the RCA RC-series tube handbook will give you values that will work. They may not be "original," but will give excellent results. I always go through a quick design study of anything's power supply---this is one area in electronics that never gets anyone's attention until the last

minute, and you can (as in the RME-45) find a crazy patchwork quilt. A lot of the small home entertainment sets made in the mid-thirties (tombstones and cathedrals) were real hotboxes, and heat reduction/heat sinking should be on your mind as you go through this.

You can use standard voltages (see the tube manual for "typical operation") for plate and screen supplies, and initial grid bias. For a 6F6, the radio B+ is typically around 250-300 volts (transformer is 500-600 VCT). With a capacitor input filter, and typical loading of a 5 or 6 tube set, and an 80 or 5Y3, you can assume that B+ at the rectifier filament is 100-110% of the AC RMS of the power supply plate-ground voltage. The output tube screen and plate transformer will see full B+. Virtually all of the 6-volt heater-cathode pentodes and beam tetrodes (6F6, 6V6, 6L6, etc.) want around 50 ma. initial cathode current, and need about -13 volts bias for this. Push-pull circuits usually are set at about 35 ma./tube, for a total of 70, and initial bias is around -17 volts. This is generally about 2/3rds of the current draw on the supply.

The rest of the radio (one or two 6D6, 6K7, or 6SK7, and any of the converter tubes, such as 6A7, 6A8, 6SA7, etc.) all draw about 11-12 ma. cathode current. If the radio has no phase inverter tube, just an audio voltage amplifier (75, 6Q7, etc.) you can ignore its current---typically 1-5 ma. This value is given in the tube manuals; typically with 100 volts on the screens and -3 volts initial bias. Remember that we are dealing with cathode current, which is plate current and screen current added together, for calculating the bias resistors. Plate voltage for the RF-converter-IF is not critical. Those tubes will work happily with anything from 100 to 250 volts on them. Don't worry if you don't get the original plate voltage. Other things being equal, I'd aim for around 225 volts on the IF transformer plate leads. If you have to replace a B+ to ground bleeder chain, I'd select about 10 ma. through the chain, then work out (Thevenin) the ratios in the chain to get the RF-etc. plate and screen voltages. This is probably higher impedance than the original, but remember that cutting current in half reduces heat dissipation by a factor of 4. A few 3.3 mfd 450 volt electrolytics (not available in small cartridges in the thirties) on the bleeder taps will get AC impedance down at audio frequencies, and .01 mfd caps will bypass RF at 455 KHz. or above. You can scope the circuits and see how much noise is in them. The original designs were incredibly noisy on most plate and screen supplies.

On an old radio, resistor rot in the RF-IF cathode resistors (substantial increase in value) will kill sensitivity. If you've got a radio that won't receive much of anything, look here. Initial bias of -6 volts on a 6K7 essentially puts the tube out of business for weak signals. If you're familiar with how a set such as a

Hallicrafters S-20 or S-40 responds to reducing RF gain with the panel control, you can see how this works. Those sets reduce gain by increasing initial bias on the front end tubes. Also, watch the screen voltage. National sets from the thirties used more like 70 volts on the front end screens. Almost everyone else used very close to 100.

When working with an 80/5Y3 supply, remember that the whole B+ chain is going to see 140% of the plate-ground transformer voltage for about ten seconds after turn-on. Any electrolytics in the screen supply have to be rated for this voltage, particularly if a series resistor rather than a bleeder is used. Resistor wattage ratings should be double the dissipation they will see in normal operation. You can ignore turn-on conditions, even if they go up to the wattage rating. The heating over 10 seconds won't be that significant.

They also substituted a 6Y6 for the 6F6, which
> is not a good choice, especially because of the plate impedance
> difference. The better sub is a 6K6, which is what I ended up with.
> I had 2 6F6's left in the garage and turns out both were gassy.
>

The substitution of choice for 6F6 is 6V6. These two are plug-n-play in the same circuit. A 6K6 is a smaller tube, cousin to the famous 50L6 and later 6W6. Watch bias conditions if you are going to use a 6K6, and make sure you are not going to over-dissipate it, particularly if B+ at the rectifier is over 250 volts.

> The det/1st audio is a typical triode/dual diode tube (6B6) and what I
> can't figure out is why they have the triode cathode positively biased
> at 2 volts. Sure, this biases the triode, but it also reverse biases
> the detector. Removing this bias got rid of distortion on weaker sigs.

The first audio tube in the AA5 design runs with the cathode grounded and uses a very low plate voltage. I've never seen a satisfactory description of why this works---Terman ignores it, and some of the other literature talks about "contact potential" driving the control grid negative. I haven't unpacked my EE books yet, so don't know how this would work with a 6B6.

>
> Of course both the 8uf filter caps were shot so I replaced them and
> some of the paper jobs. The cabinet is probably a 7. I love the
> clock-type dial (RCA also used similar) with the "second hand" logging
> scale.

>
> What are recommendations for refinishing a wood cabinet like these? It
> doesn't look real bad, but scuffed in spots. Has anyone taken a radio
> cabinet to one of these strip joints?

>

Unless the cabinet is a disaster, I wouldn't get anywhere near a strip and refinish job. If you strip the paint and stain under the surface coat, you've got a real job on your hands. The surface coat in the 30's was generally a synthetic lacquer, not shellac. A good soap and water cleanup should make it look a lot better. If you need to buff out any surface scuffs, you can use an abrasive, if you are careful. Bon Ami (don't use any of the competitors, like Ajax), 600 wet sandpaper, and Scotch-Brite pads are good mild abrasives. I wouldn't bother trying to make the thing look like new. On a 60-year-old radio, a few scuffs are "beauty marks." Automotive rubbing compound (Dupont #7) will take out a lot of scratches.

If alcohol will dissolve the surface finish, you've got a shellac finish. Household ammonia will dissolve shellac and allow you to wash it away without having a lot of gummy residue. If it is not a shellac finish, some ammonia may help the cleanup. Simoniz paste wax as a final finish fills small scratches, and is preferable to some of the furniture oil polishes---which look fine for a few weeks, then dry out to look terrible.

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
Subject: Hammarlund HQ-140-X

Hammarlund HQ-140-X for sale with National speaker and original manual.
Nice cond. \$125.00 plus shipping.

Richard L. Nacamuli "Eppur si muove"
headwave@access.digex.net Galileo

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "Rick Blank" <rblank@legend.txdirect.net>
Subject: Re: Heath LMO Question
Message-ID: <199610131630.LAA01145@legend.txdirect.net>

> After much work I have my refurbed Heath SB401 fired up and am getting both
> CW and SSB grid drive to the driver stage. Before proceeding to check out the
>
> driver and final amp. stages I thought I'd monitor the signal on a receiver.
> It's as
> stable as can be but as I tune the LMO I get a scratchiness... as if there
> are some sort of dirty sliding contacts in the LMO ?!?! Before taking the LMO
> apart (GULP !)
> to check I wonder if anyone here is familiar with the innards of the LMO and
> could
> offer some suggestions....
>
> Thanks es 73, Steve
>

The LMO uses a variable capacitor in it and sometimes the little wipers become crudded up and cause the sounds you were describing...a little DeoxIT on the wiper points should eliminate this problem....I can not testify, though, to what ever may happen to the linearity of the LMO, I have done this procedure on a couple of noisy LMO's and had no problems with them....

Rick Blank
2223 Blanco Road
San Antonio, Texas 78212

rblank@txdirect.net

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: wi2p@VNET.IBM.COM
Subject: RE: Heathkit AT-1 schematic, rear sockets, manual
Message-ID: <199610131827.NAA23974@uro.theporch.com>

>I just received in the mail a near mint Heathkit AT-1. Mint except for the
>fact it does not work! It may be due to the fact there are no jumper plugs

Tom, don't know if you got a response yet or not, but yes, the left octal socket (looking at the AT-1 from the rear) should have pins 3 and 4 jumpered. This is the B+ line, and is where you would normally tap in the modulation transformer if you wanted to go AM with this rig. Pin's 3 & 4 just break the line between the B+ and the input to the 6L6 plate. The right hand octal is for a VFO.

73, Ray WI2P wi2p@vnet.ibm.com

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: Heathkit manuals, anyone?
Message-ID: <19961012234328.AAC5035@LOCALNAME>

OK gang, here's what's left:

HWA-7-1 Power Supply
SW-717 Shortwave Receiver
AD-17A Compact Stereo Center
MI-101/102 Digital Depth Sounders
JK-37 Guitar Amplifier
IB-101 Frequency Counter
GD-109 Portable Stereo Player

Will sell or trade. I need original manuals for:
HR-10B Receiver
DX-60B Transmitter

73,

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, modified, traded & used!"
ebjr@worldnet.att.net
417 Ridgewood Drive
Metairie, LA., 70001
{Still looking for: Hallicrafters SR-75, and 860 tubes!}

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Karl Verren <kn6cw@hughes.net>
Subject: Heathkit XC-6,XC-2 and UT-1
Message-ID: <19961013185127.AAA1410@[205.139.35.228]>

Greetings to all,

I have several Heath converters for the Heath MR-1 and a UT-1 power supply for the same. I am interested in selling these or trading for some other Heath equipment (like perhaps a Heath SBA-300-3 or an SBA-300-4). Leave a message or call. You pay shipping from Southern Cal. area.

(2) XC-2's.....very good condition

(1) XC-6.....very good condition

(1) UT-1.....very good condition

Call....(805) 824-9728

To all whom inquired,
I have sold all of the above items and would like to thank all of you for
your interest and numerous responses. I should have more Heath equipment
for sale soon. Thanx.
Karl Verren KN6CW
2894 Delmar Ave.
Mojave,CA.93501-1114

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: davidh@getnet.com (Dave Hollander - N7RK)
Subject: Help Needed on BA Appraisals
Message-ID: <v01510100ae86ae6eaff8@[206.85.129.158]>

Hi All!

About six months ago I posted a list of BAs that my soon to be ex-wife may
have disposed of (they haven't shown up anywhere so I'm assuming they are
gone but not absolutely sure). As I mentioned in that message, I am going
through a very messy and ugly divorce - she is an attorney.

What I need help on is pricing these as far as a property list goes. My
other collectables (Lionel trains, coins, etc) were easy because their are
books. The BAs are not in a book. Is there anyone on the list who deals in
Boatanchors who can help me out with this? I need to do it fairly quickly,
i.e. this week. I had about 20 receivers and transmitters and had
everything well inventoried.

If there is anyone who can help me out, please include your phone number so
I can call you and if you don't want your response broadcast to the list,
e-mail me back directly,

Thanks all for your help

Dave Hollander N7RK

Dave N7RK - Webmaster CADXA
Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK

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                                \ \ - / /
davidh@getnet.com              (o!o)              http://www.getnet.com/~davidh
-----oo00-(_)oo00-----
E-Mail Address                                My Home Page

```

Visit the Central Arizona DX Association Home page ---
<http://www.getnet.com/~davidh/cadxa.html>

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: wb6zwc@ns.net
Subject: Re: Help Needed on BA Appraisals
Message-ID: <199610131758.KAA01784@tomcat.ns.net>

At 11:42 AM 10/13/96 -0500, you wrote:

```
>Hi All!
```

>

>About six months ago I posted a list of BAs that my soon to be ex-wife may
>have disposed of (they haven't shown up anywhere so I'm assuming they are
>gone but not absolutely sure). As I mentioned in that message, I am going
>through a very messy and ugly divorce - she is an attorney.

>=====

Y I K E S !!!! (The Lions' Den") The best advice here is to plan well in advance. Derate the value of your collections form the begining. Since the value is not in writing or print it would take a lot of work, and expense, on her part to value the items.

I have friend that is into guns and when that fateful arrived he did rather well. Arms are also very difficult to value.

I have not seen any of your collection!

>

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: Hickok 288X book?
Message-ID: <19961012234328.AAB5035@LOCALNAME>

Anybody have a Hickok 288X book they can copy? Or even an original!? ;^)
If I can get it going, it will match my Hickok 209 VTVM! If I ever convince my XYL to get outta this city into the country, I'm gonna have an 'old fashioned' test bench set-up. Just like the old radio shops, plus some nice lab gear as well!

73,

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, modified, traded & used!"
ebjrr@worldnet.att.net
417 Ridgewood Drive
Metairie, LA., 70001
{Still looking for: Hallicrafters SR-75, and 860 tubes!}

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: merrigan@ee.ualberta.ca
Subject: High Quality Manuals III
Message-ID: <199610130201.VAA12400@uro.theporch.com>

Hello fellow BA'ers:

I have added another manual to the list of high quality reprints that I have available:

RCA CR-88
Hammarlund HC-10 Converter
Hammerlund SP-600
Hammarlund HQ-180
Hammarlund HQ-180A
Hammarlund HQ-154A
R390A Operator's Manual

Send me an email for more information.

Shaun Merrigan

--

merrigan@nyquist.ee.ualberta.ca
Electrical Engineering Student
University of Alberta

Edmonton, Alberta, Canada

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: Bob Marsh <bmarsh@hicom.net>
Subject: How To Fix a Ballast Resistor (If you're lucky)
Message-ID: <32602DA1.6BA2@hicom.net>

Hi Everyone,

I recently posted a message looking for a ballast resistor for an ME-26D/U VTVM. After taking a closer look at it, I noticed the filament was still intact and the glass envelope was loose in the base, but couldn't be removed. I managed to repair it and now it's working OK. I figured I'd post the procedure for anyone else who might be able to use it.

To separate the envelope from the base, I had to cut around the diameter of the base about .375" from the bottom. I was then able to remove the top portion as a unit from the bottom of the base. The wires coming from the resistor were loose in their respective pins and came right out. I gently sanded these wires and tinned them. Next, I removed the solder from the pins, cleaned them, and soldered the inside of the pins from the top. This made sure that I would get a good solder joint.

Mount the base upright in some sort of holder that allows access to the pins, and gently heat each one while inserting the wires from the top section. Once the wires are all the way in, invert the tube and touch up the solder on the two pins, heating them as far away from the opening as possible. This will make sure the solder is drawn in to the pin.

Finally, dab some epoxy or whatever around the joint and let it set up. That will restore some of the mechanical integrity of the base. It ain't sophisticated, but it worked!

I still need the procedure to align this unit. Can anyone out there help?

73 de Bob/KB2SGM

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: HP 430B power meter
Message-ID: <1.5.4.16.19961013124846.36d77346@pop.pipeline.com>

Good afternoon firebottle fans:
Today I search for the manual for a Hewlett-Packard model 430B
10 Mhz to 10 Ghz bolometer power meter.
Recently acquired among other things from Stan Griffiths,
(thanks again :-) this poor old firebottle power meter
has cleaned up pretty well. After only minor repairs,
it almost works... :-(
If someone would be kind enough to sell me a manual or
photocopy it will work properly again.

Thanks in advance,
-Larry Ware

PS: Please note new ISP and new e-mail address :-)

Crazy Larry's Home for Wayward Test Equipment & Old Radios (tm)
Let your equipment retire in sunny central Florida.
Intensive Care, Private Bench Space, Frequent Use,
Factory trained HP, Tek. & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com, - Orlando, Florida -

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Terry Dobler KJ7F <kj7f@micron.net>
Subject: Re: HP 430B power meter
Message-ID: <2.2.16.19961013134933.230754c4@micron.net>

At 12:08 PM 10/13/96 -0500, you wrote:
>Good afternoon firebottle fans:
>Today I search for the manual for a Hewlett-Packard model 430B
>10 Mhz to 10 Ghz bolometer power meter.
<snip>
>If someone would be kind enough to sell me a manual or
>photocopy it will work properly again.
>
>Thanks in advance,
>-Larry Ware
Gang,

Larry's post reminded me I have one of these stashed away. I need a diagram for the 430C model. Also, does anyone know if the sensor heads for these are available anywhere? You see these and other power meters all the time, but never the heads.

Terry KJ7F

kj7f@micron.net (Boise, Idaho) <http://netnow.micron.net/~kj7f>

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: HR mags FS
Message-ID: <199610130209.WAA32591@mail-e2b.gnn.com>

Gang,

Heres a list of HR mags I need to part with to help my garage floor with its backache.

1972 Complete
1973 Complete
1974 Complete
1975 Complete
1976 Missing Dec.
1977 Complete
1978 Complete
1979 Missing Aug.
1980 Complete
1981 Complete
1982 Complete

\$15 a year plus shipping.

Lotsa good poop in them early years. Even some of the Fair radio ads are good reading along with Meshna and some of the others. Wonder what happened to all the LA dealers?

Larry AZCOT@gnn.com

Gilbert, AZ. 85233

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Humble Hamfest Report (Cont.)
Message-ID: <199610130012.TAA05916@legend.txdirect.net>

Brother Mills posted a very nice report on the Humble TX fest. Let me add that it was, and always is, good to meet the BA people. Al was looking for more HQ-145s to buy but none were to be found. Personally I sold a HQ-170AC (needed work) for \$125 and both my FT-101s (needed work) for \$300. Traded my Ten-Tec Century 21 CW transceiver (needed work) for a YAESU FTDS401B transceiver (needing transmitter work), remote VFO, and speaker. A real heavyweight and 500w to boot.

Other sightings: Collins 30S1 for \$1200; 2 Heathkit AT-1s (one minus meter but plus TWO LARGE pilot lights in the front panel) plus an old antenna coupler for \$75; Ranger I parts radio for \$75; several Viking IIs; one of them 2000v power supplies for the Hallicrafters transceiver \$75; KWM2-A, power supply, and 30L-1; the same old junk in the same old trailer, except the B&W stuff was gone.

Nice weather, great facilities, \$10 to get in and \$10 for a tail gate space.

73,
gary

[illegible]

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
Subject: Military stuff for sale

I am posting the following for a friend who has problems accessing this newsgroup

Please EMAIL him directly at whkramer@pi.net - thanks

For sale: All parts for use with German and british Army WW-II radiosets
such as WS-11,
WS-17, WS-18, WS-19, WS-22, WS-46, WS-48, WS-58, WS-62, WS-68, R-107,
R-109,
Fullerphone, Fieldphone, etc.
Antenna 'B' sections for use with WS18, WS46, WS48, WS68, etc \$ 7 /each
Headsets DRL 1 (or 5) , Use with WS38, WS48, WS68, R-107, R-109 etc \$
10/each
Microphone Hand use with WS-18, WS-48, WS-68, remote unit WS-22, WS-62 etc
\$ 50/each
Junction Box No. 1 for use with WS-38 \$65/each
Microphone throat No. 2 for use with WS-38 \$ 25/each
Mounting strap for use with WS-22 \$30/each
Lamps operator for use with WS-22 \$ 25/each
Mic/headset combination use with WS-19, WS-22, WS-62, etc. \$60/each
and many more...
Prices excluding shipment, with large volumes of certain parts 10 %
discount possible.

For more information and orders please e-mail whkramer@pi.net

Thanks for reading this ad

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the
newsgroup rec.radio.swap. All inquiries must go to the person making the
post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
Subject: National NC-46

National NC-46 shortwave radio for sale w/ matching speaker
and repro manual. Good cond. \$125.00 plus shipping.

.....
Richard L. Nacamuli "Eppur si muove"
headwave@access.digex.net Galileo

.....

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: jcall@sirius.com (Jim Carrington)
Subject: Re: Need Ballast Resistor(?)
Message-ID: <199610130518.WAA08266@mail1.sirius.com>

Bob Marsh wrote:

>Does anyone have a working Amperite 449 ballast resistor? It's in a
>Mil. ME 26D/U multimeter (VTVM).

snip
> I'd also be
>interested in some substitution I could use here.
>

Hi Bob,
I have an HP-410B which I think may be equivalent to the ME 26 and it also has a ballast tube. I dont think its the 449 however . I measured the voltage across it a few weeks ago with the thought that I'd replace it with a suitable resistor which gave the same voltage drop if and when the ballast tube went out (just in case I couldnt find a replacement). It had only 2 live terminals and measured about 7.0 volts across it with a line voltage of 120 volts. I didnt measure the ac current thru it so I still dont know the equivalent resistor but trial and error approach would work with a replacement resistor until a 7 volts drop was achieved.

Good Luck

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: wb6zwc@ns.net
Subject: Re: Need Ballast Resistor(?)
Message-ID: <199610131713.KAA29663@tomcat.ns.net>

I have a 9-4A ballast if that will work?

=====

96 -0500, you wrote:
>Bob Marsh wrote:
>
>>Does anyone have a working Amperite 449 ballast resistor? It's in a
>>Mil. ME 26D/U multimeter (VTVM).
>
>s

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: Odds 'N ends
Message-ID: <19961013201544.AAA5907@LOCALNAME>

Have a few odds and ends for Boatanchor radar gear.

One English Electric FX2505 (CV1787) NOS hydrogen thyatron tube (813 sized)
Also about 35-40 assorted microwave mixer diodes, 1N21B/C/D/E, 1N23B/C/E,
and 1N415C. Some still in sealed envelopes, some in envelopes (tried & good)

Offers? Any interest?

73

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, modified, traded & used!"
ebjr@worldnet.att.net
417 Ridgewood Drive
Metairie, LA., 70001
{Still looking for: Hallicrafters SR-75, and 860 tubes!}

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: merrigan@ee.ualberta.ca
Subject: Old BA Magazine Reprints
Message-ID: <199610130315.WAA13316@uro.theporch.com>

I have been glancing through this bound volume of reprints I picked up last week at the disposal sale of the U of A bookstore. It consists primarily of a publication called "Electronics Engineering" from Great Britain. There are also some issues of "Electronics and Television and Shortwave World". They are fascinating reading, particularly for someone who is <starting> to understand the physics of electronic devices and materials.

Can anyone tell me anything more about these publications?? And, does anyone have some of these languishing in a box somewhere??

Thanks.

Shaun

--

merrigan@nyquist.ee.ualberta.ca
Electrical Engineering Student
University of Alberta
Edmonton, Alberta, Canada

"There is nowhere in the totality of what is where there is nothing whatever."

--Kurt Godel

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Re: Old QSLs
Message-ID: <326123CE.7944@sci.mus.mn.us>

Spencer Petri wrote:

> I've been going thru my 6 Mtr QSLs because of a counting mistake for VUCC.
> Got to reading the old cards from the 60s.

Spencer and all;

This reminds me of a project I wanted to start a couple of years ago but didn't have time to pursue.

QSL cards provide a database for BA equipment of all kinds. I think it would be interesting to do an analysis of old QSL cards to determine what kind of equipment was being used for various kinds of on-air work. Looking at cards from a span of time would show the evolution of equipment, and popularity of various rigs of the day.

Any other data that could be extracted from these?

--

Chuck Penson
WA7ZZE

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Oldham couplers & parts: source!
Message-ID: <Pine.SUN.3.95.961012225249.29353A-1000000@coyote.rain.org>

After a day up & down ladder with caulking gun, was perusing the newly arrived Small Parts, Inc. catalog number 17. On page 282, they showed Oldham couplers and (wonder of wonders) replacement plastic center disks for same! The quarter-inch bore styles are either .75 or 1.0 inch outside diameter, going for from \$17 to \$25 approximately for the complete coupler. Replacement disks go for from \$1.55 to \$3.50 in those two sizes.

R-389/390/390A/391/392 lovers *rejoice*! If you can't find a parts set, the replacement disks may be just the ticket. (They're the ones missing when you look behind the panel, and curse.) At worst, you'll be able to restore full operation of that control for something less than the cost of another receiver.

Their toll-free number is (800) 423-9009, and I seem to remember something from a previous post about a \$25 minimum order. (Think it was the one relating to knurled nuts for J-38 keys.) They also have

shaft collars, in case you've broken one. And bevel/miter gears, a right-angle gear drive (either 1:1 or 2:1 ratios), pointer-type bar knobs, pickling compound (for cleaning steel, iron, gold, silver, copper), and lots of other nifty stuff.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: midshires@cix.compulink.co.uk (Andrew Emmerson)
Subject: Ozone
Message-ID: <memo.646726@cix.compulink.co.uk>

>Ozone is extremely toxic because it is so very reactive.

I have read this elsewhere, so I am not disputing this for one second.
Have no fear on that score....

But I'm bemused because in days gone by people with poor health were encouraged to take a holiday by the seaside in order to inhale the ozone occurring there naturally. Similarly back in 1900 or so, the stations on one of the deep-level tube railway lines in London were specially equipped with 'ozone generators' to help 'purify the atmosphere' below ground.

Was this a different kind of ozone or is (was) it healthful in small quantities? Having an enquiring mind, I'd be most interested to know!

PS: I hope this is of general interest to the group. I did e-mail direct to barry but I had me e-mail returned, probably on account of a firewall problem.

Andy, G8PTH.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: QF-1s Sold
Message-ID: <199610131329.IAA14121@legend.txdirect.net>

The three Heathkit QF-1s are all claimed. Thanks for the interest.

73,
gary

T00 many projects, NOT enough time!!
*
*Gary H. Harmon, Jr., K5JWK
*6302 Robin Forest
*San Antonio, TX 78239-3218
*(210) 657-1549
*gharmon@txdirect.net

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Christopher A. Bowne" <radiobwn@q.continuum.net>
Subject: RE: Shocking Keys/A Cure?
Message-ID: <199610130343.XAA23452@q.continuum.net>

Mike Maloney wrote:

Can anyone recommend a QUIET high speed relay for keying BA's and cutting receiver gain so that the monitored tx signal is at same level as received one.

I have used Shadio Rack 4PDT 12VDC coil relays in several rigs for this service. Have had no problem up to 30 plus WPM. Current draw is low enough that my Heath Micromatic keyer switches it nicely.

The extra poles can be used for RX muting, sidetone keying, etc. To desensitize your RX on TX, lift the ground return for the RF gain control, put it to a NC on RX contact to ground, and parallel the NC contact with a pot of about the same rating as the RF gain pot. On TX when the contact opens, you can set the RX "sidetone" gain so your TX signal is about the same levels as received signals.

The above circuit assumes you have an RF gain control that returns to ground, such as in the RF/IF stage cathodes. On the SX-111, and I would guess on other Halli receivers, just put the pot across the muting circuit terminals on the back of the chassis, with that NC on RX contact also across the terminals.

73,

Chris Bowne, AJ1G
Stonington, CT
radiobwn@q.continuum.net

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: W2CRS@aol.com
Subject: The AF-67 Problems solved-Thanks!
Message-ID: <961013001747_125347482@emout03.mail.aol.com>

Thanks to a dozen of you for your help with my AF-67 restoration and problems.

What a great group.

I made at least two mistakes yesterday when I wrote of the audio problems and the Burgess battery. First, I said the 22 1/2 V Burgess batter was connected to the cathodes of the 5881 modulator tubes. The important part left out is that the battery is supposed to be connected to the control grids. Due to a bad solder joint, the battery wasn't connected to the grids. Without the negative voltage, the plate current took off, but not 700 mA like I said.

The meter pins out at 700 volts and 150 mA so the current was 150 mA+. Anyway, unbelievably the Burgess battery is still providing 18 volts (are those batteries still being made?) and after correcting the problem, I have good audio.

I also found that by tuning the plate AND grid control on the front panel, I can dip the final on 10/15/20 meters so the AF-67 is working on all bands CW and AM. In fact, I made my first AM contacts in over 30 years this evening on 7290, 7295, and 3880. My 40 watts to the Hygain Hytower gets out OK. For this special occasion, I hooked up the NC 101X for receive (don't have room for this boatanchor at the present operating position, but next year I'll move the shack to where I'll have room for my B&W 5100 and NC-101X. Anyway, I do have room for the AF-67 which was a hot item back in 1955 when I was licensed KN8BAJ.

Thanks again.

Doug W2CRS

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: "D.D. Todd" <dube3@n-link.com>

Subject: Re: Tower Crash in Dallas

Message-ID: <3260719B.70F3@n-link.com>

Jay H. Miller wrote:

>

> Dallas-

> Between 10:00 and 11:00 this morning a 1500 foot television tower collapsed
> reportedly killing three tower maintenance employees. The tower was home to
> channel 39, an independent UHF station, and several FM stations. Signals
> from other Dallas area TV and radio stations were temporarily lost due to a
> general power outage in the Cedar Hill area where virtually all FM and TV
> stations have their transmitters.

>

> Few additional details are available.

>

> All hams should take note and check their antenna structures on a regular basis.

>

Good advice. I heard that the maintenance team allowed a piece of machinery to hit a guy wire, snapping it, causing the tower to topple. This says that one should not get careless and succumb to complacency, no matter how many times you worked on your tower.

--

Dube Todd

dube3@n-link.com

If we had to tolerate in others all that we permit in ourselves, life would be completely unbearable.

- Georges Courtelline

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: Tower Crash in Dallas
Message-ID: <Pine.SUN.3.91.961013022800.9015A-1000000@indy1>

Hi!

I'm back (again!); things turned into a real mess at work right after returning from Harris school but appear to be settling down. (Arrgh, some contractors!). At least the new workshop is largely done and most of the tools & test gear are moved in--18'x3' of hardwood butcher block bench space available, hooray! Three benches, no waiting!

Couple of notes on the texas tower crash:

From the pix, it look like a guy-wire took a hit, probably an upper guy. The lower sections "corkscrewed" just the way guyed towers do, while the very top flopped over.

Few if any of us have 1500' towers at our disposal (shucks, I can't even use the 1000' job here at work!), but the principles and relative strengths are similar in *any* guyed tower. (Self-supported towers have their own problems).

Basic rule one, don't get things fouled in the guys; don't rig things (gin poles, new beams on the way up or old ones on the way down) in such a way that they can easily hit the guys. If you think one rope will do, use two!

Basic rule two, pay attention to the *condition* of the tower and guys wires! On the big ones, we have guy tension checked regularly, get 'em greased even more regularly, and any time we send a crew up, we remind 'em to keep an eye open for corrosion, loose or missing bolts, etc. etc. Guy tension can be checked several ways--there's a nifty method that uses a hand-operated pump, a little hydraulic piston and a precise gauge and

reads out directly but it's a bit costly for a ham tower. Easier to rig up a protractor, short plumb bob and solid support, and sight from the anchor to the guy attachment on the tower, looking for the same amount of sag in all guys at each level. (They use this or an even odder method on towers over 1000', btw--tensions are too high for the direct-reading method!). *Iron* guy wires can be especially bad, and should be closely monitored; even galvanized stuff rusts faster than you'd suspect. If you can beg or borrow (or own) a transit, it's easy to check that the tower is true and plumb; check from at least three locations 120 degrees apart. A clever improviser might add a circular level to the protractor & plumb-bob gadget--and maybe a small sighting tube--to fake a good-enough transit. (Civil engineers & surveyors, my address is "Hate Mail, Indianapolis..." Yes, it's not a *real* good transit).

In general, guyed towers will sort of wad themselves up and corkscrew down when falling unless you've had a massive guy wire failure, while self-supporters can flop right over, wad up, or a bit of both. Might be wise to see if you have real estate (or insurance!) enough to contain any tower-fall. We *are* heading into ice-storm season, about the worst time for towers.

Well, enough nattering--came in to install a new power supply in the TV rig's control cabinet and we're gettin' near time to sign off. One quick query, I bought a used Unimat miniature metal lathe (also drill press, jigsaw and you-name-it with the proper attachments, picture a baby Shopsmith and you're close enough) and was wondering if anyone knew if accessories & parts are still available?

73,
--Bobbi

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: wb6zwc@ns.net
Subject: Re: Tower Crash in Dallas
Message-ID: <199610131724.KAA00313@tomcat.ns.net>

The current issue of "Radio World" has tower maintance from a professional point of view. Interesting reading!

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Richard@Sacramento,Ca.

From boatanchors@theporch.com Sun Oct 13 15:21:09 1996
From: emil switzer <eswitzer@atl.mindspring.com>
Subject: tube question

Message-ID: <199610131647.MAA16530@answerman.mindspring.com>

I picked up a couple of interesting tubes this weekend. They were made by Westinghouse and are marked WL464. Has anyone ever heard of these or have any data?

73,

Emil W1GGM/4

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: Dan Martin <dmartin@visuallink.com>

Subject: UPS Tale

Message-ID: <3260DB1B.3D77@visuallink.com>

Hello all:

I recently had an experience with UPS that may be of relevance to the rest of the BA crowd. Tales like this come up periodically here, but are still worth repeating from time to time. A beautiful (at one time!) piece of EFJ gear arrived at my house in generally well packed condition. It was boxed-inside-a-box with the usual peanuts all around everything. Well, the rig was pretty banged up. Without going into details, I filed a claim and was a little surprised when the Area Manager for UPS came out to look at the goods and fill out the paper work. This guy drove a couple of hundred miles. Why I didn't get a local guy, I don't know. The operative comment he made was "PEOPLE SHOULD ALWAYS PACK THINGS TO SURVIVE AT LEAST A WAIST HIGH DROP TO CONCRETE." He stated this is so since, among other things, packages are routinely pushed off conveyor belts onto distribution center floors. I do not know the "official" UPS statement for possible shipping "dynamics", but this off-the-cuff remark from an Area Manager is probably the real thing. This is not intended to be criticism of UPS. This guy was friendly, agreed the gear had been abused, and was reassuring that funds would be forthcoming. Nothin' we can do about it, folks. Pick your shipping means carefully and assume your risks accordingly. Forewarned is forearmed

73 de Dan

WB4GRA

Winchester, VA

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996

From: wi2p@VNET.IBM.COM
Subject: Weston Tube Tester Model 981
Message-ID: <199610122318.SAA10532@uro.theporch.com>

Now that I'm getting back into BA's, I dug out my old tube tester. It still works fine BUT the chart is way, way out of date. Anyone know where to get a manual and a more current chart? It's a Weston Mutual Conductance Tube Checker, Model 981, Type 3A. The roll chart I have is Edition R4 F-2780.

73, Ray WI2P wi2p@vnet.ibm.com

From boatanchors@theporch.com Sun Oct 13 07:34:44 1996
From: Steve Rodowicz <srodowic@ix.netcom.com>
Subject: WTB: NC-100A SPEAKER / CABINET (Any Condition)
Message-ID: <1.5.4.16.19961013020502.2927b7ea@popd.ix.netcom.com>

Former list member wishes to buy matching speaker or speaker cabinet for NC-100A receiver. Speaker or speaker cabinet can be any condition.

E-mail Jim, Ussailis@forum.phast.umass.edu